



Name _____ Class _____ Date _____

1

A hydra **ingests** a Daphnia, **digests** it, and later **egests** some materials. All of these events are most closely associated with the life process known as

- A** transport
- B** nutrition
- C** growth
- D** synthesis

**2**

Most organisms contain

- A** organic compounds, only
- B** inorganic compounds, only
- C** both organic and inorganic compounds
- D** neither organic nor inorganic compounds

3

Nutrition involves those **activities** by which organisms

- A** remove cellular waste products
- B** obtain and process materials needed

4

The results provided by **Stanley Miller's experiments** involving a simulated primitive environment, as described in the **heterotroph hypothesis**, show that in this environment

- A** only inorganic molecules can be synthesized

5

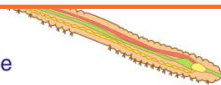
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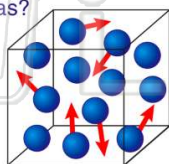
- B** Jean Lamarck — origin of life on Earth
- C** Stanley Miller — survival of the fittest
- D** Charles Darwin — natural selection

- B** a metric ruler
- C** a dissecting needle
- D** a dropping pipette

**9**

A **gas** resulting from **aerobic respiration** is released into water. Which substance could be used to indicate a change in the water due to the release of the gas?

- A** bromthymol blue
- B** Benedict's solution
- C** iodine solution
- D** methylene blue

**10**

Which procedure must be followed for the results of an experiment to be considered **valid**?

- A** The experiment must be repeated a number of times and yield similar results.
- B** After one trial, the results of the experiment must be published.
- C** The results must be expressed in the form of a table or graph.
- D** The data must include metric measurements.



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**B**

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C**5****C**

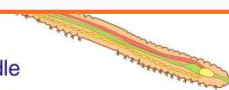
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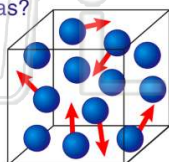
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